CERTIFICATE OF CONFORMITY FOR BUNDED FUEL BOWSERS & STATIC SKID BASE TANK.

ALL 950 LITRE & 2140 LITRE BOWSERS FROM SERIAL NO **18380** UPWARDS ARE **U.N CERTIFIED** & COMPLY WITH CURRENT & PENDING EEC REGULATIONS FOR THE CONTAINMENT OF FUEL OIL. THEY ALSO COMPLY WITH CURRENT STATUTORY INSTRUMENT 2001 No 2954 THE CONTROL OF POLUTION (OIL STORAGE) ENGLAND REGULATIONS 2001. ENVIROMENT AGENCY & HEALTH & SAFETY EXECUTIVE REGULATIONS. ALL HIGHWAY FUEL BOWSERS FROM 10TH MAY 2004 ARE ADR OR U.N. CERTIFIED

R.D.SWIFT
DIRECTOR.

CERTIFICATE OF CONFORMITY FOR WATER BOWSERS.

500, 1125 & 2000 LITRE POLYETHYLENE TANK SITE & HIGHWAY WATER BOWSERS COMPLY WITH CURRENT & PENDING EEC REGULATIONS FOR THE CONTAINMENT OF WATER. THE TANK IS CONSTRUCTED FROM FOOD QUALITY POLYETHYLENE. THEY ALSO COMPLY WITH CURRENT D.E.T.R. , ENVIROMENT AGENCY & HEALTH AND SAFETY REGULATIONS THE BLUE POLYETHYLENE TANKS ARE MOULDED FROM WATER COUNCIL APPROVED PLASTIC & APPROVED TO BS6920:2000 FOR WATER BOWSERS & HAVE SECRETARY OF STATE APPROVAL.

R.D.SWIFT

WE RESERVE THE RIGHT TO CHANGE OR MODIFY OUR PRODUCTS WITHOUT PRIOR NOTICE.
ALL DIMENSIONS & WEIGHTS ARE APPROXIMATE & CAN VARY WITH COMPONENT CHANGES

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MANUFACTURERS OF INDUSTRIAL TRAILERS & TANKERS

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BOWSER OPERATING INSTRUCTIONS

2010

- **500/1125/2000/2250 LITRE STATIC/ SITE & HIGHWAY WATER BOWSER (POLYETHYLENE) & STACKA –TANK**
- **495/950 LITRE U.N SITE/SKIDBASE & HIGHWAY BUNDED FUEL BOWSER**
- **2140 LITRE U.N SITE/SKIDBASE & HIGHWAY BUNDED FUEL BOWSER**

INITIAL SET UP FOR BUNDED FUEL BOWSERS

1. PARK THE BOWSER ON AS NEAR AS POSSIBLE A LEVEL SURFACE. IF DISCONNECTING FROM TOWING VEHICLE, LOWER THE FRONT & REAR SUPPORT STANDS & SECURE CLAMPS, APPLY BRAKES OR CHOCK THE WHEELS. OPEN THE REAR HINGE DOWN ACCESS DOOR.
2. TO FILL THE BOWSER. A VENT VALVE IS FITTED DIRECTLY ON TOP OF THE REAR OF THE INNER TANK, ENSURE THIS VALVE IS FULLY OPEN BY TURNING ANTI-CLOCKWISE UNTILL RESISTANCE IS FELT. UNSCREW THE ALLUMINIUM CAP SECURED BY A CHAIN WHICH IS COVERING THE 2"Bsp. FILLER. EITHER INSERT THE FILLING HOSE INTO THE TANK THROUGH THE FILLER PIPE OR SCREW A CONNECTION TO THE FILLER & START FILLING, OBSERVING THE LEVEL OF FUEL THROUGH THE SIGHT GLASS IF FITTED OR THROUGH THE TRANSLUCENT SKIN OF THE INNER TANK. STOP FILLING WHEN THE FUEL NEARS THE UNDERSIDE OF THE FILL PIPE.
3. TO OPERATE THE BOWSER. AT THE BASE OF THE INNER TANK IS THE MAIN SUPPLY VALVE WITH A SECOND VALVE IN LINE TO THE PUMP, FULLY OPEN THESES VALVES. ENSURE THAT THE VENT VALVE ON TOP OF THE TANK IS FULLY OPEN . REMOVE THE TRIGGER NOZZLE FROM ITS BRACKET & INSERT INTO FUEL TANK OR CONTAINER TO BE FILLED FROM THE BOWSER. SQUEEZE THE LEVER ON THE TRIGGER NOZZLE & OPERATE THE SEMI ROTARY PUMP BY MOVING THE HANDLE FROM SIDE TO SIDE. WHEN SUFFICIENT FUEL HAS BEEN DISPENSED, STOP PUMPING & RELEASE THE TRIGGER NOZZLE. REPLACE THE TRIGGER NOZZLE BACK ONTO THE STORAGE BRACKET INSIDE THE BUND. CLOSE THE MAIN SUPPLY VALVE AT THE BASE OF THE TANK & SECONDARY VALVE TO PUMP.

BOWSERS FITTED WITH ELECTRIC PUMPS. FULLY OPEN THE MAIN SUPPLY VALVE AT THE BASE OF THE INNER TANK & THE SECONDARY VALVE IN LINE TO THE PUMP. FULLY OPEN THE VENT VALVE ON TOP OF THE TANK. CONNECT THE CABLE FROM THE PUMP TO THE APPROPRIATE POWER SUPPLY. REMOVE TRIGGER NOZZLE FROM ITS BRACKET. SWITCH THE PUMP ON AT THE SWITCH MOUNTED ON THE PUMP BODY. I NSERT THE TRIGGER NOZZLE INTO THE FUEL TANK OR CONTAINER TO BE FILLED FROM THE BOWSER & SQUEEZE THE TRIGGER. RELEASE TRIGGER WHEN SUFFICIENT FUEL HAS BEEN DISPENSED. SWITCH PUMP OFF & REPLACE TRIGGER NOZZLE ON STORAGE BRACKET INSIDE BUND. CLOSE BOTH VALVES IN LINE TO THE PUMP . 110 & 240 VOLT PUMPS MUST NOT BE LEFT RUNNING AGAINST A CLOSED TRIGGER NOZZLE FOR MORE THAN 2 MINUTES, (THE OIL SEAL WILL BLOW OUT).

IMPORTANT 12 VOLT PUMPS MUST NOT BE RUN CONTINUOUSLY FOR MORE THAN 25 MINUTES EVERY HOUR. 24 VOLT PUMPS MUST NOT BE RUN FOR MORE THAN 20 MINUTES EVERY HOUR

APPROXIMATE DIMENSIONS & WEIGHTS

500 LITRE SITE WATER
LENGTH: 8' 0" (2438 mm)
WIDTH: 4' 8"(1423mm)
HEIGHT: 3' 4" (1016mm)
WEIGHT: 200kg unl 722kg gross

500 LITRE HIGHWAY WATER
LENGTH: 8' 9" (2667mm)
WIDTH: 4' 10" (1473mm)
HEIGHT: 3' 4" (1016mm)
WEIGHT: 220kg unl 742kg gross

1125 LITRE SITE WATER
LENGTH: 8' 10" (2693mm)
WIDTH: 4' 9" (1448mm)
HEIGHT: 4' 1" (1245mm)
WEIGHT: 250kg unl 1390kg gross

1125 LITRE HIGHWAY WATER
LENGTH: 9' 2" (2795mm)
WIDTH: 5' 1" (1549mm)
HEIGHT: 4' 2" (1270mm)
WEIGHT: 264kg unl 1400kg gross

950 LITRE BUNDED SITE FUEL
LENGTH: 10' 5" (3175mm)
(ADR)
WIDTH: 4' 9" (1448mm)
HEIGHT: 5' 1" (1550mm)
WEIGHT: 430kg unl 1418kg gross

950 LITRE BUNDED HIGHWAY
LENGTH: 11' 10" (3606mm)
WIDTH: 4' 11" (1499mm)
HEIGHT: 5' 1" (1550mm)
WEIGHT:456kg unl 1500kg gross

2000 LITRE SITE WATER
LENGTH: 11' 2" (3390mm)
WIDTH: 6' 1" (1847mm)
HEIGHT: 5' 3" (1595mm)
WEIGHT: 460kg unl 2732kg gross

2000L HIGHWAY WATER
LENGTH: 11' 10" (3600mm)
WIDTH: 6' 2" (1879mm)
HEIGHT: 5' 5" (1660mm)
WEIGHT: 600kg unl 2900kg gross

2140 LITRE BUNDED SITE FUEL
LENGTH: 11' 1" (3378mm)
WIDTH: 5' 11" (1803mm)
HEIGHT: 6' 7" (2006mm)
WEIGHT 700kg unl 2780kg gross

2140 LITRE BUNDED HIGHWAY
LENGTH: 11' 11" (3632mm)
WIDTH: 6' 4" (1930mm)
HEIGHT: 6' 7" (2006mm)
WEIGHT: 850kg unl 2900kg gross

UNLADEN TOWING HEIGHT WITH BOWSER LEVEL

500 LITRE SITE & HIGHWAY WATER. 14" (355mm)
1125 LITRE SITE WATER.& 950 LITRE BUNDED SITE FUEL 17" (432mm)
1125 LITRE HIGHWAY WATER 15" (381mm)
250 BUNDED HIGHWAY FUEL & 110 BUNDED HIGHWAY FUEL. 24" (609)
2000 LITRE SITE WATER & 2000 LITRE HIGHWAY WATER 20"(508mm)
2140 L BUNDED SITE FUEL & 2140 L BUNDED HIGHWAY FUEL. 26"(660mm)

1125 LITRE DRINKING WATER STAKA -TANK.

LENGTH: 6' 0" (1828mm)
WIDTH: 5' 0 "(1537mm)
HEIGHT: 5' 0" (1524mm)
WEIGHT: 190kg unl 1326kg gross

950 LITRE U.N BUNDED IBC FUEL TANK

LENGTH: 6' 7" (2014mm)
WIDTH: 4' 3" (1295mm)
HEIGHT: 4' 1" (1245mm)
WEIGHT: 390kg unl 1245kg gross

2140 LITRE U.N BUNDED IBC FUEL TANK

LENGTH: 6' 7" (2014mm)
WIDTH: 5' 7" (1701mm)
HEIGHT: 5' 5" (1646mm)
WEIGHT: 623kg unl 2550 gross

CLEAN 'Y' STRAINER ON FUEL BOWSER MONTHLY

FAILURE TO CLEAN 'Y' STRAINER WILL CAUSE PUMP MAL-FUNCTION

INITIAL SET UP FOR WATER BOWSERS

1.PARK THE BOWSER AS FOR THE BUNDED FUEL BOWSER INSTRUCTIONS OPPSITE ON PAGE 2.

IMPORTANT INFORMATION ON FILLING A WATER BOWSER WITH A HYDRANT CONNECTION.

BEFORE CONNECTING THE HYDRANT HOSE TO THE TANK ENSURE THAT THE BLACK INNER MANLID IS FULLY OPEN, THE PRESSURE FROM THE HYDRANT COULD BURST THE LID OR THE TANK WHEN IT IS FULL.

REFER TO DRINKING WATER BOWSER OPERATING MANUAL WHEN BOWSER IS USED FOR THE CARRIAGE OF POTABLE WATER

LIFTING INSTRUCTIONS FOR WATER STAKA-TANKS & BUNDED SKIDBASE & U.N. FUEL BOWSERS.

ALL SKIDBASE & STAKA TANKS HAVE 4 BUILT IN LIFTING EYES FITTED. LIFT ONLY USING 4 LEGGED CHAINS , 2 METRES MINIMUM LEG LENGTH OF SUFFICIENT CAPACITY FOR THE LOAD, USING 'D' SHACKLES OR HOOKS WITH RELEVANT SAFETY CATCHES ON THE HOOK. SECURE TO THE 4 LIFTING EYES ON THE TANK OR USE AN APPROVED LIFTING BEAM.

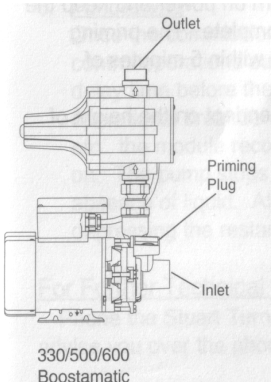
ALL SKIDBASES & STAKA-TANKS HAVE BUILT IN FORK TRUCK SOCKETS. USE ONLY FORK TRUCKS WITH SUFFICIENT CAPACITY TO LIFT THE LOAD, ENSURING THAT THE FORKS ARE SECURELY INSERTED WITHIN THE SOCKET CHANNELS ON THE TANK & ARE OF SUFFICIENT LENGTH TO SUIT THE TANK. U.N. TANK FORK SOCKETS ARE FOR USE WHEN NOT FITTED IN A CHASSIS.

OPERATING INSTRUCTIONS FOR 110/240 VOLT ON DEMAND PUMP

ENSURE THERE IS WATER IN THE BOWSER TANK PRIOR TO OPERATION , CONNECT THE DELIVERY HOSE FROM THE PUMP TO THE FEED/SUPPLY INLET OF THE UNIT REQUIRING THE WATER SUPPLY ,OPEN THE GATE VALVE FROM THE TANK TO THE PUMP, LOOSEN THE PRIMING PLUG ON TOP OF THE PUMP & BLEED THE AIR OUT & RE TIGHTEN WHEN BLED. CONNECT THE ELECTRIC SUPPLY & THE PUMP WILL OPERATE

ON DEMAND PUMP INFORMATION

ELECTRICAL CONNECTION



THE PRESSURE CONTROL MODULE FITTED TO THIS PRODUCT IS PROVIDED WITH A FACTORY FITTED SUPPLY CORD.THIS MUST BE CONNECTED TO THE POWER SUPPLY WITH A WEATHERPROOF PLUG OR ALTERNATIVELY WIRED IN PERMANENTLY WITH A DOUBLE POLE SWITCH PROTECTED WITH A FUSE. IF THE POWER IS SUPPLIED FROM A GENERATOR, THE GENERATOR MUST HAVE A NON FLUCTUATING CONSTANT 110/240 VOLT SUPPLY, GENERATORS THAT FLUCTUATE CAUSE THE CAPACITOR IN THE MOTOR OF THE PUMP TO FAIL AFTER A SHORT PERIOD OF TIME.

COLD WEATHER PROTECTION

WHEN THERE IS FROST OR FREEZING TEMPERATURES & THE PUMP IS NOT USED ie, NIGHT TIME/WEEKENDS OR HOLIDAYS, THE POWER & WATER SUPPLY SHOULD BE DISCONNECTED. CLOSE THE GATE VALVE FROM THE TANK TO THE PUMP & DRAIN THE PUMP BODY BY REMOVING THE SUPPLY HOSE TO THE PUMP & DRAINING THE WATER OUT OF THE PUMP BODY, ALTERNATIVELY ENSURE THAT THE BOWSER & PUMP ARE LOCATED IN A FROST FREE ENVIROMENT OR HAVE INSULATION PLACED AROUND THE PUMP BODY .

TROUBLE SHOOTING GUIDE

IN NORMAL OPERATION THE GREEN L.E.D.'POWER ON' IS ILLUMINATED & THE YELLOW L.E.D. 'PUMP RUNNING' IS ILLUMINATED. IF THE RED L.E.D. LIGHTS UP THIS INDICATES THE PUMP IS OUT OF LIQUID OR PRIMING IS INCOMPLETE. IN THE EVENT OF THIS HAPPENING , CHECK LIQUID SUPPLY TO PUMP, IF ALL IS IN ORDER KEEP THE **RESTART** BUTTON DEPRESSED WITH A TAP OPEN & WAIT UNTIL THE RED LIGHT GOES OUT. WHEN THE BUTTON IS RELEASED & THE TAP IS CLOSED, THE PRESSURE CONTROL MODULE WILL STOP THE PUMP AT ITS MAXIMUM PRESSURE. **DO NOT RUN AGAINST A CLOSED VALVE FOR PERIODS LONGER THAN 5 MINUTES!**

WATER BOWSERS FITTED WITH PETROL ENGINE PUMPS

FOLLOW INSTRUCTIONS IN MANUAL SUPPLIED WITH PUMP

REGULATIONS FOR TOWING BUNDED FUEL BOWSERS AS AT MAY 2004.

BOWSERS MANUFACTURED PRIOR TO THE 10TH OF MAY 2004 ARE RE CLASSIFIED AS UN /IBC'S IF THEY HAVE A BOLT ON TANK & OR ARE SKID-BASE VERSIONS, AS LONG AS THEY ARE WELL MAINTAINED, BUNDED & ARE LEAK FREE, THIS EXEMPTION RUNS UNTIL 2019. IF THEY HAVE A CAPACITY OF 1000 LITRES OR UNDER THE DRIVER CARRYING OR TOWING THEM WAS EXEMPT FROM NEEDING A FULL ADR LICENCE UNTIL JUNE 2019 (This Regulation is changing from January 2007 depending on the size & gross weight of the towing or carrying vehicle) BUT NEEDS INSTRUCTING ON THE HAZARDS OF THE PRODUCT CARRIED & WHAT EMERGENCY ACTION IS NEEDED IN CASE OF AN ACCIDENT OR SPILLAGE. THEY SHOULD CARRY A 2KG FIRE EXTINGUISHER IN VEHICLE, PERSONEL PROTECTION EQUIPMENT, SPILL KIT & REPORT DANGEROUS GOODS INCIDENTS & ACCIDENTS TO THE DEPARTMENT FOR TRANSPORT

OVER 1000 LITRES CAPACITY IF THE TANK IS CARRYING MORE THAN 1000 LITRES THEN THE DRIVER NEEDS AN ADR LICENCE. THE PERSON OR COMPANY OPERATING THESE MUST APPOINT A DANGEROUS GOODS SAFETY ADVISER ,THE DRIVERS MUST UNDERGO AWARENESS TRAINING, CARRY PPE & SPILL KIT AS PER 'TREMCARD', A 2KG & 6KG FIRE EXTINGUISHER, WHEEL CHOCKS & 2 WARNING TRIANGLES, HI VIS VESTS FOR CREW OF VEHICLE & TORCH. REPORT DANGEROUS GOODS INCIDENTS & ACCIDENTS TO THE DEPARTMENT FOR TRANSPORT.

ALL HIGHWAY FUEL BOWSERS MANUFACTURED AFTER THE 10TH OF MAY2004 MUST EITHER BE ADR CERTIFIED OR UN/IBC'S. ALL OF OUR 950 LITRE & 2140 LITRE TANKS ARE U.N IBC'S